

**PCT****REQUEST**

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum)**7146.0182****Box No. I TITLE OF INVENTION****IMAGE COMPRESSION USING A COLOR VISUAL MODEL****Box No. II APPLICANT** This person is also inventor

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**Sharp Laboratories of America, Inc.**  
5750 NW Pacific Rim Blvd.  
Camas, WA 98670

Telephone No.

**360 817-8431**

Facsimile No.

**360 817-8436**

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality:

**US**

State (that is, country) of residence:

**US**This person is applicant  
for the purposes of: all designated  
States all designated States except  
the United States of America the United States  
of America only the States indicated in  
the Supplemental Box**Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)**

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**FENG, Xiao-fan**  
17814 SE 38th Street  
Vancouver, Washington 98683

This person is:

 applicant only applicant and inventor inventor only (If this check-box is  
marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

**US**

State (that is, country) of residence:

**US**This person is applicant  
for the purposes of: all designated  
States all designated States except  
the United States of America the United States  
of America only the States indicated in  
the Supplemental Box Further applicants and/or (further) inventors are indicated on a continuation sheet.**Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**The person identified below is hereby/has been appointed to act on behalf  
of the applicant(s) before the competent International Authorities as: agent common  
representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

**RUSSELL, Kevin L.**  
Chernoff Vilhauer McClung & Stenzel, LLP  
1600 ODS Tower  
601 SW Second Avenue  
Portland, Oregon 97205

Telephone No.

**503 227-5631**

Facsimile No.

**503 228-4373**

Teleprinter No.

Agent's registration No. with the Office

**US Reg. No. 38,292** Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the  
space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III

OTHER APPLICANT(S) AND/OR (FURTHER)

ENTOR(S)

If none of the following boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**DALY, Scott J.**  
P.O. Box 1307  
Kalama, Washington 98625

This person is:

applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

 all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**LEI, Shawmin**  
4522 NW Valley Street  
Camas, Washington 98607

This person is:

applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

US

State (that is, country) of residence:

US

This person is applicant for the purposes of:

 all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

**THOMAS, Renjit Tom**  
621 SE 168th Avenue  
Vancouver, Washington 98684

This person is:

applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

India

State (that is, country) of residence:

US

This person is applicant for the purposes of:

 all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of:

 all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on another continuation sheet.

**Box No. V DESIGNATIONS**

The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.

However,

DE Germany is not designated for any kind of national protection  
 KR Republic of Korea is not designated for any kind of national protection  
 RU Russian Federation is not designated for any kind of national protection

(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)

**Box No. VI PRIORITY CLAIM**

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application: * regional Office	international application: receiving Office
item (1) <b>21.01.03</b>	<b>60/441,583</b>		<b>RO/US</b>	
item (2)				
item (3)				

Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

all items  item (1)  item (2)  item (3)  other, see Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): . . . . .

**Box No. VII INTERNATIONAL SEARCHING AUTHORITY**

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / US . . . . .

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year) Number Country (or regional Office)

**Box No. VIII DECLARATIONS**

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

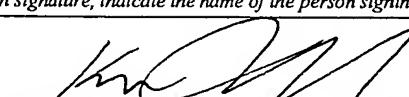
		Number of declarations
<input checked="" type="checkbox"/> Box No. VIII (i)	Declaration as to the identity of the inventor	:
<input type="checkbox"/> Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	:
<input type="checkbox"/> Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	:
<input type="checkbox"/> Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America)	:
<input type="checkbox"/> Box No. VIII (v)	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	:

## Box No. IX CHECK LIST; LANGUAGE OF FILING

This international application contains:		Number of items
(a) In paper form, the following number of sheets:		
request (including declaration sheets)	: 5	
description (excluding sequence listing and/or tables related thereto)	: 11	
claims	: 5	
abstract	: 1	
drawings	: 3	
<b>Sub-total number of sheets</b>	<b>: 25</b>	
sequence listing	:	
tables related thereto	:	
(for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)		
<b>Total number of sheets</b>	<b>: 25</b>	
(b) <input type="checkbox"/> only in computer readable form (Section 801(a)(i))		
(i) <input type="checkbox"/> sequence listing		
(ii) <input type="checkbox"/> tables related thereto		
(c) <input type="checkbox"/> also in computer readable form (Section 801(a)(ii))		
(i) <input type="checkbox"/> sequence listing		
(ii) <input type="checkbox"/> tables related thereto		
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the		
<input type="checkbox"/> sequence listing: .....		
<input type="checkbox"/> tables related thereto: .....		
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)		
Figure of the drawings which should accompany the abstract:	1	
This international application is accompanied by the following item(s) (mark the applicable check-box below and indicate in right column the number of each item):		
1. <input checked="" type="checkbox"/> fee calculation sheet		
2. <input type="checkbox"/> original separate power of attorney		
3. <input type="checkbox"/> original general power of attorney		
4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: .....		
5. <input type="checkbox"/> statement explaining lack of signature		
6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): .....		
7. <input type="checkbox"/> translation of international application into (language): .....		
8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material		
9. <input type="checkbox"/> sequence listing in computer readable form (indicate type and number of carriers)		
(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)		
(ii) <input type="checkbox"/> (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter		
(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listing mentioned in left column		
10. <input type="checkbox"/> tables in computer readable form related to sequence listing (indicate type and number of carriers)		
(i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)		
(ii) <input type="checkbox"/> (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)		
(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column		
11. <input type="checkbox"/> other (specify): .....		

Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).



Kevin L. Russell, Reg. No. 38,292  
Chernoff Vilhauer McClung & Stenzel, LLP

1/21/03  
Dated

For receiving Office use only		
1. Date of actual receipt of the purported international application:		2. Drawings:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:		
4. Date of timely receipt of the required corrections under PCT Article 11(2):		
5. International Searching Authority (if two or more are competent): ISA /		
		6. <input type="checkbox"/> not received:
6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid		

For International Bureau use only

Date of receipt of the record copy by the International Bureau:

**PCT**  
**FEE CALCULATION SHEET**  
**Annex to the Request**

For receiving Office use only

International Application No.

Applicant's or agent's  
file reference **7146.0182**

Date stamp of the receiving Office

Applicant

**Sharp Laboratories of America, Inc.**

**CALCULATION OF PRESCRIBED FEES**

1. TRANSMITTAL FEE . . . . .  **\$300**  **T**

2. SEARCH FEE . . . . .  **\$300**  **S**

International search to be carried out by \_\_\_\_\_  
*(If two or more International Searching Authorities are competent to carry out the international search, indicate the name of the Authority which is chosen to carry out the international search.)*

3. INTERNATIONAL FILING FEE

Where items (b) and/or (c) of Box No. IX apply, enter Sub-total number of sheets }  
 Where items (b) and (c) of Box No. IX do not apply, enter Total number of sheets }

**i1** first 30 sheets . . . . .  **\$1,035**  **i1**

**i2** \_\_\_\_\_ x \_\_\_\_\_ =  **i2**  
 number of sheets in excess of 30 fee per sheet

**i3** additional component (only if sequence listing and/or tables related thereto are filed in computer readable form under Section 801(a)(i), or both in that form and on paper, under Section 801(a)(ii)):

400 x \_\_\_\_\_ =  **i3**  
 fee per sheet

Add amounts entered at i1, i2 and i3 and enter total at I . . . . .  **I**

*(Applicants from certain States are entitled to a reduction of 75% of the international filing fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the international filing fee.)*

4. FEE FOR PRIORITY DOCUMENT (if applicable) . . . . .  **\$20**  **P**

5. TOTAL FEES PAYABLE . . . . .

Add amounts entered at T, S, I and P, and enter total in the TOTAL box

**\$ 1,655**  
**TOTAL**

**MODE OF PAYMENT**

<input type="checkbox"/> authorization to charge deposit account (see below)	<input type="checkbox"/> postal money order	<input type="checkbox"/> cash	<input type="checkbox"/> coupons
<input checked="" type="checkbox"/> cheque	<input type="checkbox"/> bank draft	<input type="checkbox"/> revenue stamps	<input type="checkbox"/> other (specify): _____

**AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT**

*(This mode of payment may not be available at all receiving Offices)*

Receiving Office: RO/US \_\_\_\_\_

Authorization to charge the total fees indicated above.

Deposit Account No.: **03-1550**

*(This check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.*

Date: **21 January 2004**

Authorization to charge the fee for priority document.

Name: **Kevin L. Russell**

Signature: 

**TRANSMITTAL LETTER TO THE  
UNITED STATES RECEIVING OFFICE**

Date	21 January 2004
International Application No.	
Attorney Docket No.	7146.0182

**I. Certification under 37 CFR 1.10 (if applicable)**

EL 915425377 US

Express Mail mailing number

21 January 2004

Date of Deposit

I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.



Signature of person mailing correspondence

Kevin L. Russell

Typed or printed name of person mailing correspondence

**II.  New International Application**

TITLE

IMAGE COMPRESSION USING A COLOR  
VISUAL MODEL

Earliest priority date  
(Day/Month/Year)

21.01.2003

**SCREENING DISCLOSURE INFORMATION:** In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply):

- A.  The invention disclosed was not made in the United States.
- B.  There is no prior U.S. application relating to this invention.
- C.  The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority.)

application no.

60/441,583

filed on

21.01.2003

application no.

filed on

D.  The present international application contains additional subject matter not found in the prior U.S. application(s) identified in paragraph C. above. The additional subject matter is found on pages

and  DOES NOT ALTER  MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. See 37 CFR 5.15.

**III.  A Response to an Invitation from the RO/US. The following document(s) is (are) enclosed:**

- A.  A Request for An Extension of Time to File a Response
- B.  A Power of Attorney (General or Regular)
- C.  Replacement pages:

pages	of the request (PCT/RO/101)	pages	of the figures
pages	of the description	pages	of the abstract
pages	of the claims		

D.  Submission of Priority Documents

Priority document

Priority document

E.  Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex

**IV.  A Request for Rectification under PCT 91     A Petition     A Sequence Listing Diskette**

V.  Other (please specify):

The person signing this form is the:	<input type="checkbox"/> Applicant	RUSSELL, Kevin L.
	<input checked="" type="checkbox"/> Attorney/Agent (Reg. No.)	Typed name of signer
	<input type="checkbox"/> Common Representative	Signature